

850nm Ultra Wide Band Polarization-maintaining Optical Isolator(±50nm) 20W

Features

- High isolation & High return loss
- Low insertion loss
- High Power dispose

Application

- Fiber laser & Optical fiber amplifier
- Optical fiber communications & Optical fiber sensing
- Optical laboratory study

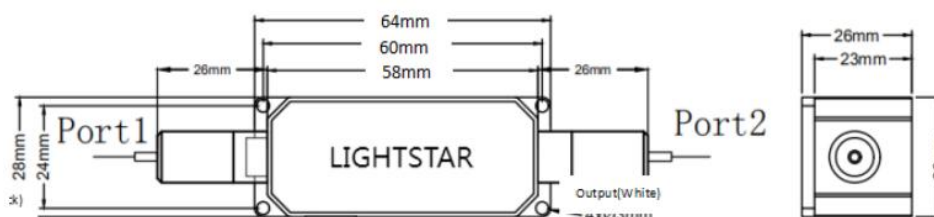
Specifications

Name of index	Extreme value	Standard values	Unit
Central wavelength		850,840,780,835,830 or customized	nm
Bandwidth range		±50	nm
Peak Isolation (Type)		32	dB
Isolation (@23°C)	Min.	26	dB
Insertion loss (Type)		1.0	dB
Insertion loss	Max.	1.3 @ 850±30nm, 1.7 @ 850±40nm, 2.0 @ 850±50nm	dB
Extinction ratio (Single axis operation)	Min.	22	dB
Extinction ratio (Biaxial operation)	Min.	20	dB
Return loss	Min.	50	dB
Nonopaque Power(CW)		500	W
Tensile load	Max.	5	N
Fiber type	Max.	PM 850 Fiber	
Operating temperature		-5 to +50	°C
Storage temperature		-50 to +85	°C

When

using the Connector, the processing power is only 1W, the Insertion loss is 0.3dB higher, the return loss is 5dB lower, and the extinction ratio is 2dB lower. The Connector key is aligned with the slow axis.

Package dimensions



Ordering information

PMIS-①①①①-②②②-③-④-⑤-⑥

①①①①:Wavelength
0780=780nm
0850=850nm
SSSS=Specify

②②②:Fiber type
119=PM850
SSS=Specify

③:Pigtail type
1=250um bare fiber
2=900um loose tube
S=Specify

④:Pigtail type
1=250um bare fiber
2=900um loose tube
S=Specify

⑤:Length
H=0.5m
1= 1.0m
S=Specify

⑥:Connector
0=None
1=FC/UPC
2=FC/APC
S=Specify